



What is claimed is:

1. (currently amended) A method of producing a crystallized glass article with textured surface, comprising the steps of:

Providing crystallizable glass bits;

Packing the glass bits into a mold to form a layer;

Heat-treating the loaded mold at a temperature below the liquidus temperature so all the individual small glass bits are fusion-bonded and crystallize internally;

Heat-treating the loaded mold at liquidus temperature, so the liquefied glass flows to fill in voids among glass bits

Interrupting flow deformation before all the individual glass bits have flattened, such that the cooled body will have a top surface with bumps with height greater than 0.5 mm.

2. (currently amended) The method of claim 1, wherein the provided crystallizable glass bits are composed of one of the following systems: $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-CaO}$ or $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-CaO-ZnO}$.

3. (canceled)

4. (currently amended) The method of claim 1, wherein the provided crystallizable glass bits have size of less than 10 mm.

5.(canceled)

6. (currently amended) The method of claim 1, further including the step of: polishing the cooled glass article to remove part of the bumps on the top surface, such that a textured

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surface having a nominal flat surface and unpolished craters with a depth of 0.2 to 0.5 mm is produced.

7. (currently amended) A method of producing a crystallized glass article with an embedded surface pattern, comprising the steps of:

Providing flat crystallized glass pieces;

Placing the provided flat glass pieces in a mold such that the flat pieces are spaced apart and placed flat upon the floor of the mold;

Providing crystallizable glass bits;

Packing the mold with the provided glass bits such that the glass bits form a layer that will shrink upon heat treatment to a fused article approximately as thick as the height of the flat crystallized glass pieces placed on the floor of the mold;

Heat-treating the loaded mold at a temperature below the liquidus temperature of the glass bits so all the individual small glass bits crystallize internally;

Heat-treating the loaded mold at liquidus temperature, so the liquefied glass flows to fill in voids among the glass bits;

Interrupting flow deformation before all the individual glass bits have flattened, such that the cooled body will have a top surface with bumps with height greater than 0.5 mm; and

Polishing the glass article such that the upper surfaces of the flat glass pieces are exposed and polished and such that the upper surface of the glass article between the flat glass pieces retains unpolished craters with a depth of at least 0.2 mm.

8. (canceled)

9. (canceled)

10. (canceled)

11. (currently amended) The method of claim 7, wherein said crystallizable glass bits have a largest dimension of less than 10 mm.

12. (canceled)

13. (canceled)

14. (New) A method of producing a crystallized glass plate with an embedded surface pattern, comprising the steps of:

Providing flat pieces of a material that does not substantially change in density as a result of heat treatment;

Placing the flat pieces in a refractory mold such that the flat pieces are spaced apart and placed flat upon the floor of the mold;

Providing crystallizable glass bits;

Packing the provided crystallizable glass bits into the mold over the flat pieces such that the glass bits form a layer that will shrink upon heat treatment to cover the flat crystallized glass pieces placed on the floor of the mold by at least 0.5 mm;

Heat-treating the loaded mold at a temperature below the liquidus temperature of the crystallizable glass bits such that the individual small glass bits crystallize internally;

Heat-treating the loaded mold at the liquidus temperature of the crystallizable glass bits, such that the liquefied glass flows to fill in voids among glass bits and such that the glass plate will have raised portions on the upper surface over the flat pieces that are at least 1 mm high.

15. (New) The process of claim 14, further including the step of:

Polishing the cooled glass plate such that the surfaces of the raised portions over the flat pieces are polished and coplanar, and such that the upper surface of the glass plate between the flat pieces remains unpolished.

16. (New) The process of claim 14, wherein the provided flat pieces are flat pieces of crystallized glass, each piece having a decorative outline in top view.